11-3 Homework Guide

**Questions 1-2**

-To find an x-intercept: You need to remember that this is where the line crosses the x axis, which means that y has to = 0. Plug 0 in for y and you will have your x value. Use the point (x,0) and plot the point

-To find the y-intercept: This is where the line crosses the y-axis, which means that x has to = 0. Plug 0 in for x and you will have your y value. Use the point (0,y) and plot the point.

Ex: 5x – 2y = 10

**Questions 3-4**

**Slope intercept form y= mx + b**

m= the slope of the line, b= the y intercept (point where line crosses the y-axis

-To write an equation in slope intercept form: solve the equation for y by moving everything else to the other side of the equal sign

Ex: 3y + 6x = 12

**Questions 6-10**

**-Write an equation in slope intercept form given two points**

See Cornell notes

Ex: (-1,7) (4,-3)